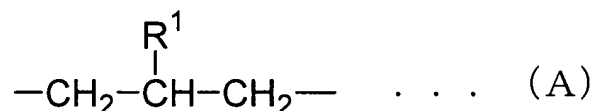


### Amendments to the Claims

1. (Original) A graft copolymer having a structure in which a vinyl polymer segment formed from a vinyl monomer having an acid is suspended in a molecular chain of polyolefin resin segment via a  $\beta$ -substituted propylene group.

2. (Original) The graft copolymer according to claim 1, wherein the  $\beta$ -substituted propylene group is a group represented by the formula (A):

[Formula A]



wherein  $\text{R}^1$  represents a phenyl group, cyano group or  $\text{—COOR}_m$  ( $\text{R}_m$  represents an alkyl group having 1 to 4 carbon atoms)

3. (Currently amended) The graft copolymer according to claim 1 ~~or 2~~, wherein the polyolefin resin segment is a polypropylene resin segment.

4. (Currently amended) The graft copolymer according to claim 1 ~~or 2~~, wherein the polyolefin resin segment is an olefin elastomer segment.

5. (Currently amended) The graft copolymer according to ~~any of claims 1 to 4~~ claim 1, wherein the content of the vinyl polymer segment is 0.1 to 30% by weight.

6. (Currently amended) A graft copolymer composition containing the graft copolymer according to ~~any of claims 1 to 5~~ claim 1.

7. (Original) The graft copolymer composition according to claim 6, wherein partial crosslinking is present.

8. (Currently amended) The graft copolymer composition according to claim ~~6 or 7~~, wherein the composition contains further a lubricant.
9. (Currently amended) A molded product obtainable by molding the graft copolymer composition according to ~~any of claims 6 to 8~~ claim 6.
10. (Original) A method for producing a graft copolymer by reacting a vinyl monomer having an acid with polyolefin resin having a  $\beta$ -substituted propenyl group as a pendant.
11. (Original) A method for producing a graft copolymer by reacting a vinyl monomer having an acid with polyolefin resin having a  $\beta$ -substituted propenyl group as a pendant by heating and mixing at a temperature of not less than 30°C and not more than 400°C.
12. (Currently amended) The method for producing a graft copolymer according to claim ~~10 or 11~~, wherein the polyolefin resin having a  $\beta$ -substituted propenyl group as a pendant is produced by reacting an addition-fragmentation chain transfer agent with polyolefin resin.
13. (New) The graft copolymer according to claim 2, wherein the polyolefin resin segment is a polypropylene resin segment.
14. (New) The graft copolymer according to claim 2, wherein the polyolefin resin segment is an olefin elastomer segment.
15. (New) The graft copolymer according to claim 2, wherein the content of the vinyl polymer segment is 0.1 to 30% by weight.

16. (New) A graft copolymer composition containing the graft copolymer according to claim 2.
17. (New) The graft copolymer composition according to claim 16, wherein partial crosslinking is present.
18. (New) The graft copolymer composition according to claim 16, wherein the composition contains further a lubricant.
19. (New) A molded product obtainable by molding the graft copolymer composition according to claim 16.
20. (New) The method for producing a graft copolymer according to claim 11, wherein the polyolefin resin having a  $\beta$ -substituted propenyl group as a pendant is produced by reacting an addition-fragmentation chain transfer agent with polyolefin resin.